

Patent Abstracts of Japan

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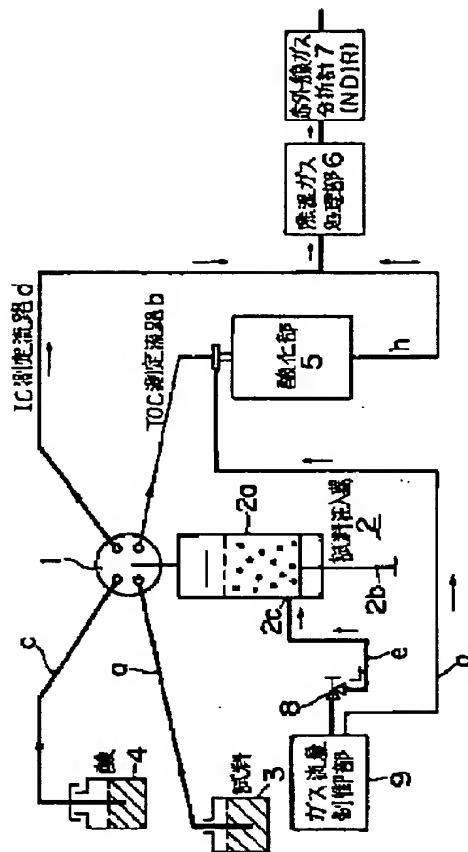
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APPLICANT : SHIMADZU CORP;

INVENTOR : SAKATA HIROKO;

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TITLE : TOTAL ORGANIC CARBON ANALYZER



ABSTRACT : PROBLEM TO BE SOLVED: To provide an analyzer capable of starting TOC measurement immediately as soon as an aeration treatment is finished while monitoring an acidic aeration time continuously.

SOLUTION: A sample and an acid are charged in a sample injector 2 to conduct an aeration treatment so as to remove an IC in the sample, the IC in the sample is converted thereby into carbon dioxide to be isolated and guided into an IC measuring flow passage (d), and it flows into a non-dispersion type infrared gas analyzer 7 through a dehumidifying gas-treatment part 6. A rotary valve 1 is switched to a TOC measuring flow passage (b) when a carbon dioxide concentration detected by the gas analyzer 7 comes to a fixed level or less, to connect the sample injector 2 to the TOC measuring flow passage (b), and a TOC in the sample is converted into carbon dioxide in an oxidation part 5 to be analyzed by the gas analyzer 7.

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